



INSTALL TIME

24 HRS

HIGHLIGHTS

Project History :

Greenfield (2008), Upgrade (2017), Parts Supply (2025)

Wastewater Type(s) :

Municipal

Application(s) :

Residential

Discharge Type(s) :

Discharge

DESCRIPTION

M|MBR helped deliver the Yakama Nation tribal WWTP in 2008. When the original MBR system needed more capacity, M|MBR upgraded the plant in 2017 from rigid-plate Kubota ES-200 SMU membranes to flexible flat-sheet BIO-CEL 416 modules, doubling capacity from 0.18 to 0.36 MGD. In 2025, after eight years of successful operation, M|MBR supported a second backward-compatible upgrade to BIO-CEL L+ for added performance and safety margin.

The part-for-part replacement was coordinated with plant operators and took approximately 24 hours of scheduled, phased downtime.

The project highlights M|MBR's ability to extend plant life and solve capacity constraints with practical aftermarket solutions.

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The MMBR team has provided excellent support from the original design of this plant and through the expansion. They are knowledgeable, responsive, and great partners.

Kenny Grasser, Lead Operator

2025 PROJECT OVERVIEW

Project Category : Retrofit

Project Type : Membrane Products (Part-for-Part)

Scope : Turnkey

Previous Membrane : BIO-CEL 416 (Flat Sheet, Polymeric)

Installed Membrane : BIO-CEL L+ (Flat Sheet, Polymeric)

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Results are site-specific and not a guarantee of performance; contract documents govern. Install time refers to the membrane changeout. Project history may include work by M|MBR team members before M|MBR Systems LLC was formed. Testimonials reflect individual views at the time given. Third-party product names are trademarks of their owners, used for identification only; no affiliation or endorsement is implied.